

## **Building Systems**

The major systems for the SRTC Facilities are listed below.

Ventilation, Electric Power, Fire Protection, Steam, Monitoring, and Waste are the major systems.

736-A North ½ - Built 1950's with no system upgrades  
736-A South ½ - Built Early 1980's thru Mid 1990's with no system upgrades  
735-11A – Built 1986 with no system upgrades.  
607-17A – Built 1986 with control system replaced mid 1990's.  
735-A Section A – Built 1950's with HVAC and Rad Drain upgrades in early 1980's.  
735-A Section A WBC – Added in 1960's with no system upgrades.  
735-A Section B – Built 1950's with no system upgrades.  
735-A Section C – Built 1950's with HVAC upgrades in late 1970's.  
735-A Section C Addition – Built 1987 with no system upgrades.  
735-A Section D – Built mid 1960's with no system upgrades. Clean Room added 1989 and Shielded Count Room added 1970's.  
735-A Section D Additions – Various clean rooms added between 1980 and 1995 with no system upgrades.  
773-A Section A – Built 1950's with significant architectural changes over the years. No major system changes.  
773-A Section B – Built 1950's with major restoration efforts in mid 1970's (Ventilation), mid 1980's (fume hoods and Rad drains) and late 1980's (Ventilation)  
773-A Section C – Built 1950's with major restoration efforts in mid 1970's (Ventilation). mid 1980's (fume hoods and Rad drains) and mid 1990's (Ventilation)  
773-A Section D – Built 1950's with significant architectural changes over the years. No major system changes.  
773-A Section D Addition – Built 1950's with significant renovations in mid 1980's (architectural and Ventilation).  
773-A Section E – Built in three phases (1952, 1958 and 1964). Major cell and ventilation renovations in mid 1960's and mid 1970's (before and after Curium Campaign). Ventilation upgrades in late 1990's.  
773-A Section F – Built in late 1960's with major programmatic additions in 1970's. Minor ventilation replacements in 1990's.  
786-A – Built in four phases between mid 1970's and 1988.  
794-A, 792-A and 791-A – Built in mid 1970's.  
774-A – Built at TNX in early 1950's and relocated to Tech Area late 1950's.  
774-3A – Built in early 1980's.  
775-A – Built in late 1960's. Major equipment replacements over the years.  
775-1A – Built in late 1970's or early 1980's.  
770-A – Built in 1950's with major architectural renovations over the years.  
773-43A – Built in 1986.  
773-42A – Built in early 1980's.  
773-43A – Built in early 1980's.  
749-A – Built in early 1980's.  
777-A – Boat Shed built in late 1980's.  
748-A – Warehouse built in 1960's.  
776-1A – Built in 1950's.  
776-2A – Built in 1950's. Piping changes in 1970's and 1987.  
776-4A – Built in late 1960's.  
776-5A – Built in 1950's. Major renovation in early 1990's.  
776-6A – Built in 1950's with major renovation in 1970's.

773-15A, 773-22A, 773-23A, 773-24A, 786-1A, 786-3A

735-13A, 735-15A, 735-16A, 735-17A, 735-18A, 786-5A, 786-6A, 773-53A, 773-54A, 773-55A, 773-56A, 773-57A, 773-58A, 773-59A, 773-60A, 773-61A – Trailers from late 1980's and early 1990's  
773-72A – Trailer from mid 1990's

## **TNX Buildings**

### **Office** (HVAC,domestic water,fire detection , sanitary sewer)

704-T	6510 sq. ft.	1980's
704-1T	6080 sq. ft.	1980's
704-8T	6384 sq. ft.	1980's

### **Pilot facilities**

670-T	4250 sq. ft.	1980's	process water , domestic water , steam , plant air
672-T	13320 sq. ft.	1980's	process water , domestic water , steam , plant air , breathing air , cooling tower water , fire detection , fire suppression , backup power
673-T	5063 sq. ft.	early 1980's	process water , domestic water , steam
675-T	7750 sq. ft.	late 1970's	process water , domestic water , steam , plant air , backup power
678-T	11500 sq. ft.	1950's	process water , domestic water , steam , plant air , sanitary sewer
682/692-T	2140 sq. ft.	mid 1980's	process water , domestic water , steam , plant air , fire detection

### **Pilot/lab**

677-T	14587 sq. ft.	1950's	process water , domestic water , steam , plant air , sanitary sewer
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### **Lab**

772-T	4400 sq. ft.	late 1980's	process water , domestic water , steam , fire detection , fire suppression , backup power
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### **Office / lab**

679-T	12648 sq. ft.	early 1950's	process water , domestic water , backup power , fire detection , fire suppression
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### **Storage**

674-T	7033 sq. ft.	1980's
674-1T	5160 sq. ft.	1990's
674-2T	5711 sq. ft.	1990's
694-T	4275 sq. ft.	1980's
717-2T	5711 sq. ft.	1980's

### **Tank farm**

671-T	three 2000 gal. , five 10000 gal.
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### **HLW tank farm mock-up**

678-5T	1980's
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### **Effluent treatment**

904-T	3600 sq. ft.	1987	process water , domestic water , fire detection , plant air , backup power , sanitary sewer
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